

REMARKS

Claims 1-39 are pending. Claims 1, 2, 12, 22, 24, 27, 32, 36 and 37 have been amended. Claims 40 and 41 are newly presented. No new matter has been added.

Amendment to Specification

The Examiner states that the title of the invention should be changed to provide a complete and detailed description of the invention. Applicant has amended the title of the invention.

Rejections under 35 U.S.C. §112

The Examiner has rejected claims 2, 12, 24 and 27 under §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims have been amended to overcome this ground of rejection.

Rejection under 35 U.S.C. §102

Claims 1-39 are rejected under §103(e) as being anticipated by US 6,178,461 to Chan, et al. This ground of rejection is respectfully traversed.

In one embodiment of the present invention, as set forth in claim 1, a method is provided for improving network efficiency of document transmission from a content server to a user. A condenser is located between a content server and a user connected to the content server over a network and receives a user's request for a document. The requested document is referenceable with respect to a base document associated with a class. The condenser, (i) automatically obtains the class, (ii) automatically obtains the base document associated with the class, and (iii) creates a condensed document by abbreviating redundancy in the requested document relative to the base document. The condensed document is transmitted to the user to enable the user to reconstruct the requested document.

Chan, et al requires that the user desiring an Internet object from a server transmit to the server the URL of the desired object as he would normally transmit.

Additionally, and in deviation from a normal request, the user would transmit to the server the URL's of one or more objects from the user's cache to be used as reference objects. The server then searches for and locates one of the reference objects stipulated by the user, computes a differential encoding of the desired object from the so-located reference object, and transmits the differential encoding to the user.

In the claim 1 embodiment of the present invention, the user is required only to transmit to the server the URL of the desired object or document. The condenser proxy automatically determines a reference object for the desired object, and encodes the response of the content server against the reference object. The condenser includes the URL of the reference object in the encoded response. If the reference object is in the user's cache, the user uses the cached copy. If not, the user retrieves it from the nearest upstream cache that carries a copy. In either case, the user reconstructs the desired object from the reference object and the encoded response.

CONCLUSION

It is submitted that the present application is in form for allowance, and such action is respectfully requested.

The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees, to Deposit Account No. 08-1641 (Docket No. 06672-1009). A duplicate copy of this paper is enclosed.

Respectfully submitted,

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